

CLAIMS

1. An aqueous composition for the chemical removal of metallic surfacing present on blades of turbines comprising at least hexafluorosilicic acid and phosphoric acid 5 whose final composition corresponds to that which can be obtained by mixing an aqueous solution of hexafluoro-silicic acid at about 34% in a quantity varying from 46% to 86% by volume with an aqueous solution of phosphoric acid at about 75% in a quantity varying from 19% to 49% 10 by volume.

2. The aqueous composition according to claim 1, wherein said aqueous composition also comprises hydro-chloric acid in aqueous solution at about 37% added in a quantity substantially varying from 0% to 15% of the 15 volume of the bath obtained.

3. An aqueous composition for the chemical removal of metallic surfacing present on the blades of turbines comprising at least hexafluorosilicic acid and phosphoric acid in the following concentrations: hexafluorosilicic 20 acid from 156.4 g/l to 292.4 and phosphoric acid from 142.5 g/l to 367.5 g/l.

4. The aqueous composition according to claim 3, wherein said aqueous composition also comprises hydro-chloric acid in a concentration substantially varying 25 from 0 to 48.3 g/l.

5. Use of the aqueous composition according to any of the previous claims for the removal of metallic surfacing on gas turbine blades.
6. Use of the aqueous composition according to claim 2 5 or 4 for the removal of metallic surfacing comprising nickel and/or oxidized metallic surfacing on gas turbine blades.
7. Use of the aqueous composition according to claim 5 or 6, wherein said composition is used at a temperature 10 ranging from 60°C to 90°C.
8. Use of the aqueous composition according to claim 5 or 6, wherein said composition is used for a time ranging from 4 hours to 15 hours.